

Environmental Protection Agency

§ 600.011–93

§ 600.010–08 Vehicle test requirements and minimum data requirements.

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(d) *Minimum data requirements for the manufacturer's average fuel economy and average carbon-related exhaust emissions.* For the purpose of calculating the manufacturer's average fuel economy and average carbon-related exhaust emissions under § 600.510, the manufacturer shall submit FTP (city) and HFET (highway) test data representing at least 90 percent of the manufacturer's actual model year production, by configuration, for each category identified for calculation under § 600.510–08(a).

§ 600.010–86 Vehicle test requirements and minimum data requirements.

(a) For each certification vehicle defined in this part, and for each vehicle tested according to the emission test procedures in 40 CFR part 86 for addition of a model after certification or approval of a running change (40 CFR 86.079–32, 86.079–33 and 86.082–34 or 40 CFR 86.1842–01 as applicable):

(1) The manufacturer shall generate city fuel economy data by testing according to the applicable procedures.

(2) The manufacturer shall generate highway fuel economy data by:

(i) Testing according to applicable procedures, or

(ii) Using an analytical technique, as described in § 600.006(e).

(3) The data generated in paragraphs (a) (1) and (2) of this section, shall be submitted to the Administrator in combination with other data for the vehicle required to be submitted in part 86.

(b) For each fuel economy data vehicle:

(1) The manufacturer shall generate city fuel economy data and highway fuel economy data by:

(i) Testing according to applicable procedures, or

(ii) Use of an analytical technique as described in § 600.006(e), in addition to testing (e.g., city fuel economy data by testing, highway fuel economy data by analytical technique).

(2) The data generated shall be submitted to the Administrator according to the procedures in § 600.006.

(c) *Minimum data requirements for labeling.* (1) In order to establish fuel economy label values under § 600.306,

the manufacturer shall use only test data accepted in accordance with § 600.008 (b) and (f) and meeting the minimum coverage of:

(i) Data required for emission certification under 40 CFR 86.084–24, 86.079–32, 86.079–33, and 86.082–34 or 40 CFR 86.1828–01 and 86.1842–01 as applicable.

(ii) Data from the highest projected model year sales subconfiguration within the highest projected model year sales configuration for each base level, and

(iii) For additional model types established under § 600.207(a)(2), data from each subconfiguration included within the model type.

(2) For the purpose of recalculating fuel economy label values as required under § 600.314(b), the manufacturer shall submit data required under § 600.507.

(d) *Minimum data requirements for the manufacturer's average fuel economy.* For the purpose of calculating the manufacturer's average fuel economy under § 600.510, the manufacturer shall submit data representing at least 90 percent of the manufacturer's actual model year production, by configuration, for each category identified for calculation under § 600.510(a).

[49 FR 13848, Apr. 6, 1984, as amended at 64 FR 23975, May 4, 1999]

§ 600.011–93 Reference materials.

(a) *Incorporation by reference.* The documents in paragraph (b) of this section have been incorporated by reference. The incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be inspected at the U.S. Environmental Protection Agency, Office of Air and Radiation, 1200 Pennsylvania Ave., NW., Washington, DC 20460, phone (202) 272–0167, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The following paragraphs and tables set forth the material that has been incorporated by reference in this part.

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40 CFR Ch. I (7–1–10 Edition)

(1) *ASTM material.* The following table sets forth material from the American Society for Testing and Materials which has been incorporated by reference. The first column lists the number and name of the material. The second column lists the section(s) of

this part, other than § 600.011, in which the matter is referenced. Copies of these materials may be obtained from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

Document number and name	40 CFR part 600 reference
ASTM E 29–67 (Reapproved 1973) Standard Recommended Practice for Indicating Which Places of Figures Are To Be Considered Significant in Specified Limiting Values.	600.002–93, 600.002–08.
ASTM D 1298–85 (Reapproved 1990) Standard Practice for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method.	600.113–93, 600.510–93, 600.113–08, 600.510–08.
ASTM D 3343–90 Standard Test Method for Estimation of Hydrogen Content of Aviation Fuels.	600.113–93, 600.113–08.
ASTM D 3338–92 Standard Test Method for Estimation of Net Heat of Combustion of Aviation Fuels.	600.113–93, 600.113–08.
ASTM D 240–92 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter.	600.113–93, 600.510–93, 600.113–08, 600.510–08.
ASTM D975–04c “Standard Specification for Diesel Fuel Oils”	600.107–08.
ASTM D 1945–91 Standard Test Method for Analysis of Natural Gas By Gas Chromatography..	600.113–93, 600.113–08.

(2) [Reserved]

(3) *SAE Material.* The following table sets forth material from the Society of Automotive Engineers that has been incorporated by reference. The first column lists the number and name of the material. The second column lists the section(s) of this part, other than § 600.011–93, in which the matter is referenced. The second column is pre-

sented for information only and may not be all inclusive. Copies of these materials may be obtained from Society of Automotive Engineers World Headquarters, 400 Commonwealth Dr., Warrendale, PA 15096–0001, phone (877) 606–7323 (U.S. and Canada) or (724) 776–4970 (outside the U.S. and Canada), or at <http://www.sae.org>.

Document No. and name	40 CFR part 600 reference
Motor Vehicle Dimensions—Recommended Practice SAE 1100a (Report of Human Factors Engineering Committee, Society of Automotive Engineers, approved September 1973 as revised September 1975).	600.315–08; 600.315–82.

[59 FR 39652, Aug. 3, 1994, as amended at 69 FR 18803, Apr. 9, 2004; 71 FR 77933, Dec. 27, 2006; 74 FR 61549, Nov. 25, 2009]

EFFECTIVE DATE NOTE: At 75 FR 25703, May 7, 2010, § 600.011–93 was revised, effective July 6, 2010. For the convenience of the user, the revised text is set forth as follows:

§ 600.011–93 Reference materials.

(a) *Incorporation by reference.* The documents referenced in this section have been incorporated by reference in this part. The incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be inspected at the U.S. Environmental Protection Agency, Office of Air and Radiation, 1200 Pennsylvania Ave., NW., Washington, DC 20460, phone (202) 272–0167, or at the National Archives and Records Administration (NARA). For information on

the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html and is available from the sources listed below:

(b) *ASTM.* The following material is available from the American Society for Testing and Materials. Copies of these materials may be obtained from American Society for Testing and Materials, ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428–2959, phone 610–832–9585. <http://www.astm.org/>.

(1) ASTM E 29–67 (Reapproved 1973) Standard Recommended Practice for Indicating

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Which Places of Figures Are To Be Considered Significant in Specified Limiting Values, IBR approved for §§ 600.002–93 and 600.002–08.

(2) ASTM D 1298–85 (Reapproved 1990) Standard Practice for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method, IBR approved for §§ 600.113–93, 600.510–93, 600.113–08, 600.510–08, and 600.510–12.

(3) ASTM D 3343–90 Standard Test Method for Estimation of Hydrogen Content of Aviation Fuels, IBR approved for §§ 600.113–93 and 600.113–08.

(4) ASTM D 3338–92 Standard Test Method for Estimation of Net Heat of Combustion of Aviation Fuels, IBR approved for §§ 600.113–93 and 600.113–08.

(5) ASTM D 240–92 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, IBR approved for §§ 600.113–93, 600.510–93, 600.113–08, and 600.510–08.

(6) ASTM D975–04c Standard Specification for Diesel Fuel Oils, IBR approved for § 600.107–08.

(7) ASTM D 1945–91 Standard Test Method for Analysis of Natural Gas By Gas Chromatography, IBR approved for §§ 600.113–93, 600.113–08.

(c) *SAE Material*. The following material is available from the Society of Automotive Engineers. Copies of these materials may be obtained from Society of Automotive Engineers World Headquarters, 400 Commonwealth Dr., Warrendale, PA 15096–0001, phone (877) 606–7323 (U.S. and Canada) or (724) 776–4970 (outside the U.S. and Canada), or at <http://www.sae.org>.

(1) Motor Vehicle Dimensions—Recommended Practice SAE 1100a (Report of Human Factors Engineering Committee, Society of Automotive Engineers, approved September 1973 as revised September 1975), IBR approved for §§ 600.315–08 and 600.315–82.

(2) [Reserved]

Subpart B—Fuel Economy Regulations for 1978 and Later Model Year Automobiles—Test Procedures

EFFECTIVE DATE NOTE: At 75 FR 25704, May 7, 2010, the heading for subpart B to part 600 was revised, effective July 6, 2010. For the convenience of the user, the revised text is set forth as follows:

Subpart B—Fuel Economy and Carbon-Related Exhaust Emission Regulations for 1978 and Later Model Year Automobiles—Test Procedures

SOURCE: 42 FR 45657, Sept. 12, 1977, unless otherwise noted.

§ 600.101–08 General applicability.

(a) The provisions of this subpart are applicable to 2008 and later model year automobiles, except medium duty passenger vehicles, manufactured on or after January 26, 2007, and to 2011 and later model year medium-duty passenger vehicles. All 2008 automobiles manufactured prior to January 26, 2007 may optionally comply with the provisions of this subpart.

[71 FR 77933, Dec. 27, 2006]

§ 600.101–12 General applicability.

(a) The provisions of this subpart are applicable to 2012 and later model year automobiles and to the manufacturers of 2012 and later model year automobiles.

(b) *Fuel economy and carbon-related emissions data*. Unless stated otherwise, references to fuel economy or fuel economy data in this subpart shall also be interpreted to mean the related exhaust emissions of CO₂, HC, and CO, and where applicable for alternative fuel vehicles, CH₃OH, C₂H₅OH, C₂H₄O, HCHO, NMHC and CH₄. References to average fuel economy shall be interpreted to also mean average carbon-related exhaust emissions.

[75 FR 25704, May 7, 2010]

EFFECTIVE DATE NOTE: At 75 FR 25704, May 7, 2010, § 600.101–12 was added, effective July 6, 2010.

§ 600.101–86 General applicability.

(a) The provisions of this subpart are applicable to 1986 and later model year gasoline-fueled and diesel automobiles.

[49 FR 13849, Apr. 6, 1984]

§ 600.101–93 General applicability.

The provisions of this subpart are applicable to 1993 and later model year gasoline-fueled, diesel-fueled, alcohol-fueled, natural gas-fueled, alcohol dual